

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-13 (canceled)

Claim 14 (currently amended): A platelet gel dispenser, comprising:

 a first vessel with a chamber and an opening providing an inlet and an outlet to the chamber;

 a second vessel with a chamber and an opening providing an inlet and an outlet to the chamber;

 means for drawing a liquid into the first and second vessels and forcing the liquid out of the chambers of the first and second vessels; and

 a restoration agent and an activation agent positioned within the chamber of the first vessel, wherein the agents are positioned within the chamber prior to receiving the liquid and wherein the restoration agent at least partially reverses effects of an anticoagulation agent in the received liquid.

Claim 15 (previously presented): The platelet gel dispenser of claim 14, including a filter positioned outside the chamber of the first vessel in fluid communication with the opening of the first vessel with a pore size selected to filter clot debris.

Claim 16 (previously presented): The platelet gel dispenser of claim 14, wherein the drawing and forcing means includes a first liquid line connected to the opening of the first vessel and a second liquid line connected to the opening of the second vessel and valving means for selecting concurrent flow to the first and second liquid lines or non-concurrent flow to the first and second liquid lines.

Claim 17 (previously presented): The platelet gel dispenser of claim 16, wherein the drawing and forcing means includes a first plunger positioned in the chamber of the first vessel and a second plunger positioned in the chamber of the second vessel.

Claim 18 (canceled)

Claim 19 (previously presented): The platelet gel dispenser of claim 14, wherein said restoration agent is a calcium salt.

Claim 20 (previously presented): The platelet gel dispenser of claim 19, wherein said calcium salt is calcium chloride, calcium gluconate, or calcium carbonate.

Claim 21 (previously presented): The platelet gel dispenser of claim 14, wherein said activation agent is glass wool, silica aluminum, diatomaceous earth, kaolin, plastic, siliconized glass or a chemical activator.


Claim 22 (currently amended): A platelet gel dispenser adapted for preparing and dispensing an autologous platelet gel composition, comprising:

- a first vessel for storing a first volume of liquid;
- a second vessel for storing a second volume of liquid;
- a lumen connected to an opening in the first vessel and to an opening in the second vessel, whereby a liquid can be provided to the first and second vessels; and
- a filter element positioned within the first vessel, wherein the filter element is configured for filtering solids from the liquid in the first vessel and allowing the liquid to pass through and comprises an activating agent for expressing thrombin in the liquid in the first vessel.

Claim 23 (previously presented): The dispenser of claim 22, further including a restoration agent within the first vessel adapted for restoring a clot-forming process in the liquid in the first vessel.

Claim 24 (previously presented): The dispenser of claim 23, wherein said restoration agent is a calcium salt.

Claim 25 (previously presented): The dispenser of claim 22, wherein the filter element comprises glass wool.



Claim 26 (previously presented): The dispenser of claim 22, wherein the first volume is selected from the range of about one half the second volume to about equal to the second volume.

Claim 27 (previously presented): The dispenser of claim 22, further including a filter positioned between the lumen and the opening to the first vessel, the filter having a pore size with a micron size large enough to pass thrombin while filtering clot debris and activator solids present in the liquid from the first vessel.

Claim 28 (previously presented): The dispenser of claim 27, further including a tube connected to the openings of the first and second vessels via the lumen for combining the liquids discharged from the first and second vessels and including a valve for controlling flow from the lumen to the combining tube.

Claim 29 (new): The platelet gel dispenser of claim 14, wherein the activation agent comprises a contact activator that initiates expression of thrombin in the liquid.
